



# **Direct Benefit Transfer (DBT)**

## **Data Integration Approach for States/UTs**

### **(V.1.1)**

November, 2023

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## DBT Bharat Portal

### Overview

DBT Bharat Portal is developed by DBT Mission to capture data and provide aggregated view of DBT schemes being implemented by the Central Government as well as the State/UT Governments.

The purpose of this document is to provide an understanding of the States or UTs scheme / Centrally Sponsored Scheme (CSS) data sharing from State/UT Management Information System (MIS) to DBT Bharat Portal on monthly basis.

### Objective

This document explains the approach to share the DBT Schemes-related data (aggregate numbers till district level granularity) with DBT Bharat Portal. Data format has been structured to share the data from State/UT MIS (Portal).

### Details of the data fields

To share data for schemes till district level granularity, the information related to below mentioned data fields need to be provided:

Data Fields for schemes (Benefit type – Cash)			
S. No.	Field name	Data Type	Description
Scheme General Information			
1	Scheme Code	String	5-character alphanumeric code ( <i>starting with C or D or E</i> ) generated on DBT Bharat Portal at the time of onboarding of scheme
Scheme Monthly Progress Information			
2	Year	Number	Year (in YYYY format) for which data is being shared
3	Month	Number	Month (in MM format) for which data is being shared
4	Number of Groups/Self Help Groups (SHGs) [ <b>Optional</b> ]	Number	No. of Groups / SHGs who have benefited under the scheme [Wherever applicable] (should be <b>unique cumulative<sup>1</sup></b> )

<sup>1</sup> The concept of unique cumulative may be illustrated by means of an example. Suppose, in April, 10 beneficiaries got the benefit under the scheme. Then April figure for number of unique cumulative beneficiaries is 10. If, for example, in May, 30 beneficiaries have got the benefit of which 5 are such who have already received benefit in April and only 25 are new beneficiaries, then May figure for number of unique cumulative beneficiaries will be 35 (10 old from April + 25 new added in May). In June, say, 40 beneficiaries have got the benefit of which 15 are those who had been covered in earlier months and 25 are new beneficiaries, then June figure for number of unique cumulative beneficiaries will be 60 (35 old from May + 25 new added in June).

5	Number of beneficiaries covered from Normative State/UT (for State/UT scheme)  or  Central & State / UT (for CSS) share	Number	No. of beneficiaries as per normative State/UT government fund allocation (for State/UT scheme) (should be <b>unique cumulative</b> )  or  Central government and state / UT government fund allocation under the scheme (for CSS) (should be <b>unique cumulative</b> )
6	Number of additional beneficiaries supported by State / UT (for CSS)	Number	No. of <b>additional</b> beneficiaries supported by State / UT fund allocation under the scheme (for CSS) (should be <b>unique cumulative</b> )
7	Total No. of Beneficiaries	Number	Total number of beneficiaries in the scheme (should be <b>unique cumulative</b> )
8	No. of beneficiaries' records digitized	Number	Total number of beneficiaries' records digitized in scheme MIS (should be <b>unique cumulative</b> )
9	No. of Aadhaar authenticated Beneficiaries	Number	Total number of Aadhaar authenticated beneficiaries in the scheme (should be <b>unique cumulative</b> )
10	No. of Beneficiaries for whom mobile number is captured	Number	Total number of beneficiaries in the scheme for whom mobile number is captured (should be <b>unique cumulative</b> )
11	Central Share fund transferred (in Rs)	Decimal	Fund transferred in a month from Central Share for CSS scheme ( <b><u>not cumulative across months</u></b> )
12	State fund transferred (for State/UT Scheme)  Or  Normative - State Share fund transferred (for CSS) (in Rs)	Decimal	Fund transferred <b><u>in a month</u></b> from State ( <b><u>NOT cumulative across months</u></b> )
13	Additional State contributed fund transferred to normative beneficiaries (in Rs)	Decimal	Additional Fund transferred <b><u>in a month</u></b> from State to normative beneficiaries of CSS scheme ( <b><u>NOT cumulative across months</u></b> )
14	State fund transferred to additional beneficiaries supported by State (in Rs)	Decimal	Fund transferred <b><u>in a month</u></b> by State to additional beneficiaries (apart from normative beneficiaries of CSS scheme) ( <b><u>NOT cumulative across months</u></b> )

15	Total Fund transferred (in Rs)	Decimal	Fund transferred <b><u>in a month</u></b> <b><i>(NOT cumulative across months)</i></b>
16	Central Share fund transferred in Electronic Mode (in Rs)	Decimal	Fund transferred <b><u>in a month</u></b> from Central Share in Electronic Mode for CSS scheme <b><i>(NOT cumulative across months)</i></b>
17	State fund transferred in Electronic Mode (for State/UT Scheme)  Or  Normative - State Share fund transferred in Electronic Mode (for CSS) (in Rs)	Decimal	Fund transferred <b><u>in a month</u></b> from State in Electronic Mode <b><i>(NOT cumulative across months)</i></b>
18	Additional State Contributed fund transferred to normative beneficiaries in Electronic Mode (in Rs)	Decimal	Additional Fund transferred <b><u>in a month</u></b> from State to normative beneficiaries of CSS scheme in Electronic Mode <b><i>(NOT cumulative across months)</i></b>
19	State fund transferred to additional beneficiaries supported by State in Electronic Mode (in Rs)	Decimal	Fund transferred <b><u>in a month</u></b> by State to additional beneficiaries (apart from normative beneficiaries of CSS scheme) in Electronic Mode <b><i>(NOT cumulative across months)</i></b>
20	Fund transferred through Aadhaar Payments Bridge (APB) (in Rs)	Decimal	Total fund transferred through Aadhaar Payments Bridge (APB) <b><i>(NOT cumulative across months)</i></b>
21	Fund transferred through other modes of electronic transfer (in Rs)	Decimal	Total fund transferred through other modes of electronic transfer <b><i>(NOT cumulative across months)</i></b>
22	Total Fund transferred through Electronic Mode (APB, NEFT, RTGS) (in Rs)	Decimal	Total fund transferred through Electronic Mode <b><i>(NOT cumulative across months)</i></b>
23	Total Fund transferred through non-electronic modes (Cash, Cheque, DD, MO) (in Rs)	Decimal	Total fund transferred through non- electronic Modes in a month <b><i>(NOT cumulative across months)</i></b>
24	Number of transactions through Aadhaar Payments Bridge (APB)	Number	Number of transactions through Aadhaar Payments Bridge (APB) <b><i>(NOT cumulative across months)</i></b>

25	Number of transactions through other modes of electronic transfer	Number	Number of transactions through other modes of electronic transfer ( <b><i>NOT cumulative across months</i></b> )
26	Total No. of Transactions through Electronic Mode	Number	Total number of transactions through Electronic Mode of fund transfer ( <b><i>NOT cumulative across months</i></b> )
27	Total No. of Transactions through non-electronic modes	Number	Total number of transactions through non-electronic modes of fund transfer ( <b><i>NOT cumulative across months</i></b> )
28	Is data awaited? (0/1)	Number	If data is awaited, this value will be 1. If data is available and being reported, this value will be 0.
29	Additional Parameter 1 <sup>2</sup>	Decimal	In case State/UT has registered any additional parameter for the scheme on the DBT Bharat Portal, then value needs to be passed.
30	Additional Parameter 2 <sup>2</sup>	Decimal	In case State/UT has registered any additional parameter for the scheme on the DBT Bharat Portal, then value needs to be passed.
31	Additional Parameter 3 <sup>2</sup>	Decimal	In case State/UT has registered any additional parameter for the scheme on the DBT Bharat Portal, then value needs to be passed.

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<sup>2</sup> In case State / UT wants to submit any additional parameter on a monthly basis, the same may be communicated to concerned Nodal Officer in DBT Mission who shall then get the parameter registered in respect of that scheme, after following due process. Subsequently, State/UT shall be mandated to furnish the information relating to that additional parameter.

Data Fields for schemes (Benefit type – In-Kind)			
S No	Field name	Data Type	Description
<b>Scheme General Information</b>			
1	Scheme Code	String	5 digit alphanumeric code generated on DBT Bharat Portal starting with C or D or E
<b>Scheme Monthly Progress Information</b>			
2	Year	Number	Year for which data is being shared
3	Month	Number	Month for which data is being shared
4	Number of Groups/Self Help Groups (SHGs)	Number	No. of Groups / SHGs who have benefited under the scheme [Wherever applicable] (should be <b>unique cumulative</b> <sup>3</sup> )
5	Number of beneficiaries covered from Normative State/UT Share (for State/UT scheme)  or  Central & State / UT Share (for CSS)	Number	No. of beneficiaries as per normative State/UT government fund allocation (for State/UT scheme) (should be <b>unique cumulative</b> )  or  Central government and state / UT government fund allocation under the scheme (for CSS) (should be <b>unique cumulative</b> )
6	Number of additional beneficiaries supported by State / UT (for CSS)	Number	No. of <b>additional</b> beneficiaries supported by State / UT fund allocation under the scheme (for CSS) (should be <b>unique cumulative</b> )
7	Total No. of Beneficiaries	Number	Total number of beneficiaries in the scheme (should be <b>unique cumulative</b> )
8	No. of beneficiaries' records digitized	Number	Total number of beneficiaries' records digitized in scheme MIS (should be <b>unique cumulative</b> )
9	No. of Aadhaar authenticated Beneficiaries	Number	Total number of Aadhaar authenticated beneficiaries in the scheme (should be <b>unique cumulative</b> )

<sup>3</sup> The concept of unique cumulative may be illustrated by means of an example. Suppose, in April, 10 beneficiaries got the benefit under the scheme. Then April figure for number of unique cumulative beneficiaries is 10. If, for example, in May, 30 beneficiaries have got the benefit of which 5 are such who have already received benefit in April and only 25 are new beneficiaries, then May figure for number of unique cumulative beneficiaries will be 35 (10 old from April + 25 new added in May). In June, say, 40 beneficiaries have got the benefit of which 15 are those who had been covered in earlier months and 25 are new beneficiaries, then June figure for number of unique cumulative beneficiaries will be 60 (35 old from May + 25 new added in June).

10	No. of Beneficiaries for whom mobile number is captured	Number	Total number of beneficiaries in the scheme for whom mobile number is captured (should be <b>unique cumulative</b> )
11	Central Share Expenditure Incurred (in Rs)	Decimal	Expenditure incurred in a month from Central Share for CSS scheme ( <b><u>not</u> cumulative across months</b> )
12	State Expenditure Incurred (for State/UT Scheme)  Or  Normative - State Share Expenditure Incurred (for CSS) (in Rs)	Decimal	Expenditure incurred in a month from State ( <b><u>not</u> cumulative across months</b> )
13	Additional State Expenditure Incurred (in Rs)	Decimal	Additional Expenditure incurred in a month from State to normative beneficiaries of CSS scheme ( <b><u>not</u> cumulative across months</b> )
14	State Share Expenditure Incurred for additional beneficiaries supported by State (in Rs)	Decimal	Expenditure incurred in a month by State to additional beneficiaries (apart from normative beneficiaries of CSS scheme) ( <b><u>not</u> cumulative across months</b> )
15	Total Expenditure Incurred (in Rs)	Decimal	Expenditure incurred in a month ( <b><u>not</u> cumulative across months</b> )
16	Central Share Expenditure Incurred through Aadhaar Authenticated Transactions (in Rs)	Decimal	Expenditure incurred in a month from Central Share for CSS scheme through Aadhaar Authenticated Transactions ( <b><u>not</u> cumulative across months</b> )
17	State Share Expenditure Incurred through Aadhaar Authenticated Transactions (for State/UT Scheme)  Or  Normative - State Share Expenditure Incurred through Aadhaar Authenticated Transactions (for CSS) (in Rs)	Decimal	Expenditure incurred in a month from State through Aadhaar Authenticated Transactions ( <b><u>not</u> cumulative across months</b> )



18	Additional State Expenditure Incurred through Aadhaar Authenticated Transactions (in Rs)	Decimal	Additional Expenditure incurred in a month from State to normative beneficiaries of CSS scheme through Aadhaar Authenticated Transactions ( <b><i>not cumulative across months</i></b> )
19	State Share Expenditure Incurred for additional beneficiaries supported by State through Aadhaar Authenticated Transactions (in Rs)	Decimal	Expenditure incurred in a month by State to additional beneficiaries (apart from normative beneficiaries of CSS scheme) through Aadhaar Authenticated Transactions ( <b><i>not cumulative across months</i></b> )
20	Total Expenditure incurred through Aadhaar Authenticated Transactions (in Rs)	Decimal	Total Expenditure incurred through Aadhaar Authenticated Transactions (Bio / Demo / OTP / e-Sign) ( <b><i>not cumulative across months</i></b> )
21	Total No. of Aadhaar authenticated Transactions	Number	Total No. of Aadhaar authenticated Transactions in a month ( <b><i>not cumulative across months</i></b> )
22	Quantity Transferred	Number	No. of units of In kind product/service transferred to beneficiaries in a month ( <b><i>not cumulative across months</i></b> )
23	Is data awaited? (0/1)	Number	If data is awaited, this value will be 1. If data is available and being reported, this value will be 0.
24	Additional Parameter 1 <sup>4</sup>	Decimal	In case State/UT has registered any additional parameter for the scheme on the DBT Bharat Portal, then value needs to be passed.
25	Additional Parameter 2 <sup>4</sup>	Decimal	In case State/UT has registered any additional parameter for the scheme on the DBT Bharat Portal, then value needs to be passed.
26	Additional Parameter 3 <sup>4</sup>	Decimal	In case State/UT has registered any additional parameter for the scheme on the DBT Bharat Portal, then value needs to be passed.

<sup>4</sup> In case State / UT wants to submit any additional parameter on a monthly basis, the same may be communicated to concerned Nodal Officer in DBT Mission who shall then get the parameter registered in respect of that scheme, after following due process. Subsequently, State/UT shall be mandated to furnish the information relating to that additional parameter.

Data Fields for schemes (Benefit type – Cash/ Cash & In-Kind)			
S No	Field name	Data Type	Description
<b>Scheme General Information</b>			
1	Scheme Code	String	5 digit alphanumeric code generated on DBT Bharat Portal starting with C or D or E
<b>Scheme Monthly Progress Information</b>			
2	Year	Number	Year for which data is being shared
3	Month	Number	Month for which data is being shared
4	Number of Groups/Self Help Groups (SHGs)	Number	No. of Groups / SHGs who have benefited under the scheme [Wherever applicable] (should be <b>unique cumulative</b> <sup>5</sup> )
5	Number of beneficiaries covered from Normative State/UT Share (for State/UT scheme)  or  Central & State / UT share (for CSS)	Number	No. of beneficiaries as per normative State/UT government fund allocation (for State/UT scheme) (should be <b>unique cumulative</b> )  or  Central government and state / UT government fund allocation under the scheme (for CSS) (should be <b>unique cumulative</b> )
6	Number of additional beneficiaries supported by State / UT (for CSS)	Number	No. of <b>additional</b> beneficiaries supported by State / UT fund allocation under the scheme (for CSS) (should be <b>unique cumulative</b> )
7	Total No. of Beneficiaries	Number	Total number of beneficiaries in the scheme (should be <b>unique cumulative</b> )
8	No. of beneficiaries' records digitized	Number	Total number of beneficiaries' records digitized in scheme MIS (should be <b>unique cumulative</b> )
9	No. of Aadhaar authenticated Beneficiaries	Number	Total number of Aadhaar authenticated beneficiaries in the scheme (should be <b>unique cumulative</b> )
10	No. of Beneficiaries for whom mobile number is	Number	Total number of beneficiaries in the scheme for whom mobile number is

<sup>5</sup> The concept of unique cumulative may be illustrated by means of an example. Suppose, in April, 10 beneficiaries got the benefit under the scheme. Then April figure for number of unique cumulative beneficiaries is 10. If, for example, in May, 30 beneficiaries have got the benefit of which 5 are such who have already received benefit in April and only 25 are new beneficiaries, then May figure for number of unique cumulative beneficiaries will be 35 (10 old from April + 25 new added in May). In June, say, 40 beneficiaries have got the benefit of which 15 are those who had been covered in earlier months and 25 are new beneficiaries, then June figure for number of unique cumulative beneficiaries will be 60 (35 old from May + 25 new added in June).

	captured		captured (should be <b>unique cumulative</b> )
11	Central Share fund transferred (in Rs)	Decimal	Fund transferred in a month from Central Share for CSS scheme ( <b><u>not cumulative across months</u></b> )
12	State fund transferred (for State/UT Scheme)  Or  Normative - State Share fund transferred (for CSS) (in Rs)	Decimal	Fund transferred in a month from State ( <b><u>not cumulative across months</u></b> )
13	Additional State contributed fund transferred to normative beneficiaries (in Rs)	Decimal	Additional Fund transferred in a month from State to normative beneficiaries of CSS scheme ( <b><u>not cumulative across months</u></b> )
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17	State fund transferred in Electronic Mode (for State/UT Scheme)  Or  Normative - State Share fund transferred in Electronic Mode (for CSS) (in Rs)	Decimal	Fund transferred in a month from State in Electronic Mode ( <b><u>not cumulative across months</u></b> )
18	Additional State Contributed fund transferred to normative beneficiaries through Electronic Mode (in Rs)	Decimal	Additional Fund transferred in a month from State to normative beneficiaries of CSS scheme through Electronic Mode ( <b><u>not cumulative across months</u></b> )
19	State fund transferred to additional beneficiaries supported by State through Electronic Mode (in Rs)	Decimal	Fund transferred in a month by State to additional beneficiaries (apart from normative beneficiaries of CSS scheme) through Electronic Mode ( <b><u>not cumulative across months</u></b> )
20	Fund transferred through Aadhaar Payments Bridge (APB) (in Rs)	Decimal	Total fund transferred through Aadhaar Payments Bridge (APB) ( <b><u>not cumulative across months</u></b> )

21	Fund transferred through other modes of electronic transfer (in Rs)	Decimal	Total fund transferred through other modes of electronic transfer ( <b><i>not cumulative across months</i></b> )
22	Total Fund transferred through Electronic Mode (APB, NEFT, RTGS) (in Rs)	Decimal	Total fund transferred through Electronic Mode ( <b><i>not cumulative across months</i></b> )
23	Total Fund transferred through non-electronic modes (Cash, Cheque, DD, MO) (in Rs)	Decimal	Total fund transferred through non-electronic Modes in a month ( <b><i>not cumulative across months</i></b> )
24	Number of transactions through Aadhaar Payments Bridge (APB)	Number	Number of transactions through Aadhaar Payments Bridge (APB) ( <b><i>not cumulative across months</i></b> )
25	Number of transactions through other modes of electronic transfer	Number	Number of transactions through other modes of electronic transfer ( <b><i>not cumulative across months</i></b> )
26	Total No. of Transactions through Electronic Mode	Number	Total number of transactions through Electronic Mode of fund transfer ( <b><i>not cumulative across months</i></b> )
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28	Central Share Expenditure Incurred (in Rs)	Decimal	Expenditure incurred in a month from Central Share for CSS scheme ( <b><i>not cumulative across months</i></b> )
29	State Expenditure Incurred (for State/UT Scheme)  Or  Normative - State Share Expenditure Incurred (for CSS) (in Rs)	Decimal	Expenditure incurred in a month from State ( <b><i>not cumulative across months</i></b> )
30	Additional State Expenditure Incurred (in Rs)	Decimal	Additional Expenditure incurred in a month from State to normative beneficiaries of CSS scheme ( <b><i>not cumulative across months</i></b> )
31	State Share Expenditure Incurred for additional beneficiaries supported by State (in Rs)	Decimal	Expenditure incurred in a month by State to additional beneficiaries (apart from normative beneficiaries of CSS scheme) ( <b><i>not cumulative across months</i></b> )
32	Total Expenditure Incurred (in Rs)	Decimal	Expenditure incurred in a month ( <b><i>not cumulative across months</i></b> )
33	Central Share Expenditure Incurred through Aadhaar	Decimal	Expenditure incurred in a month from Central Share for CSS scheme through Aadhaar Authenticated

	Authenticated Transactions (in Rs)		Transactions ( <b><i>not cumulative across months</i></b> )
34	State Share Expenditure Incurred through Aadhaar Authenticated Transactions (for State/UT Scheme)  Or  Normative - State Share Expenditure Incurred through Aadhaar Authenticated Transactions (for CSS) (in Rs)	Decimal	Expenditure incurred in a month from State through Aadhaar Authenticated Transactions ( <b><i>not cumulative across months</i></b> )
35	Additional State Expenditure Incurred through Aadhaar Authenticated Transactions (in Rs)	Decimal	Additional Expenditure incurred in a month from State to normative beneficiaries of CSS scheme through Aadhaar Authenticated Transactions ( <b><i>not cumulative across months</i></b> )
36	State Share Expenditure Incurred for additional beneficiaries supported by State through Aadhaar Authenticated Transactions (in Rs)	Decimal	Expenditure incurred in a month by State to additional beneficiaries (apart from normative beneficiaries of CSS scheme) through Aadhaar Authenticated Transactions ( <b><i>not cumulative across months</i></b> )
37	Total Expenditure incurred through Aadhaar Authenticated Transactions (in Rs)	Decimal	Total Expenditure incurred through Aadhaar Authenticated Transactions (Bio / Demo / OTP / e-Sign) ( <b><i>not cumulative across months</i></b> )
38	Total No. of Aadhaar authenticated Transactions	Number	Total No. of Aadhaar authenticated Transactions in a month ( <b><i>not cumulative across months</i></b> )
39	Quantity Transferred	Number	No. of units of In kind product/service transferred to beneficiaries in a month ( <b><i>not cumulative across months</i></b> )
40	Is data awaited? (0/1)	Number	If data is awaited, this value will be 1. If data is available and being reported, this value will be 0.

41	Additional Parameter 1 <sup>6</sup>	Decimal	In case State/UT has registered any additional parameter for the scheme on the DBT Bharat Portal, then value needs to be passed.
42	Additional Parameter 2 <sup>6</sup>	Decimal	In case State/UT has registered any additional parameter for the scheme on the DBT Bharat Portal, then value needs to be passed.
43	Additional Parameter 3 <sup>6</sup>	Decimal	In case State/UT has registered any additional parameter for the scheme on the DBT Bharat Portal, then value needs to be passed.

### Pre-requisite to Integrate

State/UT has to ensure the availability of MIS(Portal) with all relevant fields for all concerned schemes as mentioned in above sections against the correct DBT Scheme Code (generated while registering the Scheme on DBT Bharat Portal).

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<sup>6</sup> In case State / UT wants to submit any additional parameter on a monthly basis, the same may be communicated to concerned Nodal Officer in DBT Mission who shall then get the parameter registered in respect of that scheme, after following due process. Subsequently, Ministry shall be mandated to furnish the information relating to that additional parameter.

## 1. Salient features of data sharing with DBT Bharat Portal

- a. For all schemes on-boarded on DBT Bharat Portal, State / UT has to share the scheme data for a given month as per scheduled date (which must **not** be later than 20<sup>th</sup> of the succeeding month) decided by the concerned State / UT.
- b. State / UT will have to share information using the location code (up to State / District granularity). To make it standardized in all schemes across all Ministries / Departments and States / UTs, it is recommended to use the version of Local Government Directory of Ministry of Panchayati Raj as decided by DBT Mission for the purpose for a given financial year.
- c. State / UT shall provide data in respect of all Districts for State / UT Schemes and CSS schemes. Districts for which data is not available at the time when the data is pushed to DBT Bharat Portal should be reported as 0 (numerical value zero). State / UT shall have the option to update the data so provided at a later date with intimation to or permission of Nodal Officer in DBT Mission. State / UT needs to ensure that no field which is applicable in the scheme is left blank while data is provided to DBT Bharat Portal, to avoid challenges in uploading data for a later month. DBT Mission shall undertake sanity checks for the data reported by State / UT.
- d. States / UTs need to share monthly incremental data (except for fields related to beneficiaries which should be unique cumulative starting from April month for each Financial Year).
- e. Data ownership lies with State / UT, DBT Bharat Portal is just an aggregator.

## 2. Integration Approach – Web Services

Below are the points/steps which brief about integration process once State/UT MIS(Portal) is hosted successfully in the PRODUCTION environment:

- 1) It is recommended that the State/UT should coordinate with DBT Mission Nodal Officer to understand the scheme data fields.
- 2) State/UT technical team will verify that their MIS(Portal) conforms to the JSON format containing scheme data fields (as per appendix A and B)
- 3) State/UT has to provide the below information for each scheme on DBT Bharat Portal - previous month.
  - a) **Scheduled date-**  
The date on which State/UT undertakes to push/share data for a given scheme for the previous month.
  - b) **Data Porting Start Month-** A Year and Month pair need to be set for each scheme, State/UT undertakes to push/share data for that scheme from given month and Year.
  - c) **IP address registration-** IP address to be provided to DBT Bharat Portal for each scheme from where data is to be ported.
  - d) **Additional Contact details of the person for the scheme data-** Email ID and Contact No (Preferably Mobile No.).
  - e) **Type of Beneficiary:** Type of Beneficiary in the Scheme.
  - f) **Unit of quantity transferred:** Unit in which Quantity transferred to be measured (Eg. Kg, liter, etc).
- 4) **Encryption Key generation** – Encryption Key to be generated for each Scheme through DBT Bharat Portal (<https://dbtbharat.gov.in>), and used in encryption of data before starting data sharing. State/UT shall have the option to refresh the encryption key if the need arises.
- 5) Data should be prepared in prescribed JSON format before pushing it to DBT Bharat Portal. Thereafter, State/UT MIS will call a Web service exposed by DBT Bharat Portal by passing DBT Scheme Code with encrypted data.

### 3. How webservice will work:

Once DBT Mission receives data from State/UT, DBT Bharat Portal will get updated. Webservice will **not** be available to the State/UT for sharing data for the same period.

- 1) Once data is updated successfully on DBT Bharat Portal, State/UT will receive a success message as HTTP Response in JSON Format. The State/UT should visit the Scheme Drilldown Report (<https://dbtbharat.gov.in/ss-report/scheme-drilldown>) and crosscheck that the same data is uploaded on DBT Bharat Portal as pushed by the State/UT.



In case of any discrepancy the State/UT **should contact the Nodal Officer in DBT Mission immediately.**

- 2) In case data is not updated successfully on DBT Bharat Portal, State/UT will receive a detailed error message as HTTP Response in JSON Format. **It will be the responsibility of State/UT to resolve the error and push the data again till the data is successfully updated on DBT Bharat Portal.**

## 4. Technical Specification of Exposed Webservice:

For Sharing of Scheme data for **first time**, Total two APIs of **Rest** type has been published. Request and Response format for both APIs are in JSON form.

### 1. URL: <https://api.dbtbharat.gov.in/state-scheme/getdate>

- Method: **Post**
- Function: This API returns a pending list of date against scheme code for which data is not reported at DBT Bharat Portal. With that, the returned date would be used in request parameters of the second API.
- Request format:

```
{
  "scheme_code": "XXXXX"
}
```
- Response format (For Successful Execution):

```
{
  "status_code": "200",
  "message": "Success",
  "pending_dates": ["2021-05-31", "2021-06-30"]
}
```
- Response format (For Unsuccessful Execution):

```
{
  "status_code": "400",
  "message": "ERROR_MESSAGE"
}
```

### 2. URL: <https://api.dbtbharat.gov.in/state-scheme/pushdata>

- Method: **Post**
- Function: This API would be used to share monthly data against scheme code. Monthly data must have to be prepared in JSON as per our format as mentioned in **Appendix-B and Appendix-C** and fields need to be provided according to scheme nature from **Appendix-A**. Prepared data need to be encrypted by using **AES-256-CBC** method. Base64 value of encrypted data with scheme code would be used as request parameters.

- Request format:

```
{
  "scheme_code": "XXXXXX",
  "encrypted_data": "ENCRYPTED_DATA"
}
```

- Response format (For Successful Execution):

```
{
  "status_code": "201",
  "message": "Data Accepted Successfully.",
}
```

- Response format (For Unsuccessful Execution):

```
{
  "status_code": "400",
  "message": "ERROR MESSAGE",
  "error_details": ["DETAILED_ERROR_MESSAGE"] **
}
```

**\*\*Only if necessary then only `error_details` tag would be returned.**

#### **Appendix-A: Proposed JSON Tags/Fields:**



JSON\_fields.xlsx

#### **Appendix-B: Following Json is just a Sample Json for Cash and In-Kind CSS Schemes who provides data in Districtwise Granularity. JSON may vary with the nature of Schemes.**



schema\_css\_cash\_in  
kind\_districtwise.json

#### **Appendix-C: Following Json is just a Sample Json for Cash and In-Kind CSS Schemes who provides data in Statewise Granularity. JSON may vary with the nature of Schemes.**



schema\_css\_cash\_in  
kind\_statewise.json

// how to reach at that page